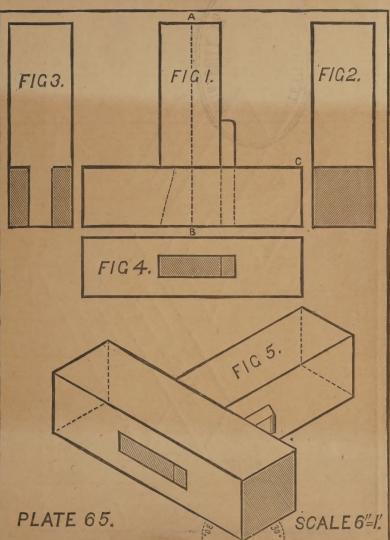
True up a piece of wood to $8\frac{3}{4} \times 1\frac{1}{4}$ and cut into two— $4\frac{1}{2}$ and $4\frac{1}{4}$ respectively. At end of latter set enon and cut away the waste. At centre of longer piece gauge space for mortise and key, and cut out out tenon and cut away the waste. with chisel.

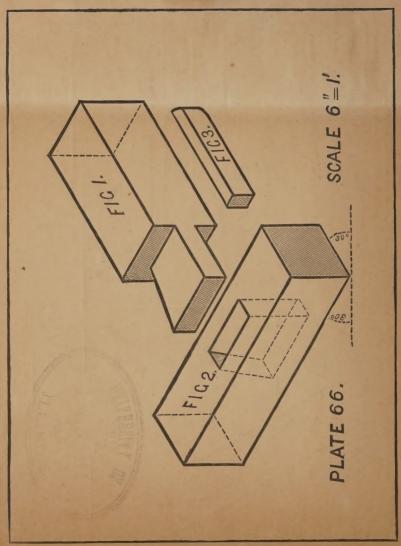


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Arranged by E. R. Kidsow, F.G.S., Science Demonstrator

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PROJECTION OF KEYED MORTISE AND TENON JOINT



Designed and drawn by H. Jay, Technical Instructor under Nottingham School Board

Mark out the end of Cut away the wood

Plane up a piece of wood to $8 \times 1\frac{1}{4} \times 1\frac{1}{4}$ and cut into two— $4\frac{1}{4}$ and $3\frac{1}{2}$ respectively. For piece as in fig. 1, Plate 68. Mark centre of longer piece as in Plate 68, fig. 2.

shorter piece as in fig. 1, Plate 68.

FIG 3. FIG2 with saw and chisel, leaving the bridle A to fit the groove B. FIG 4. FIG 5. SCALE 6"=L PLATE 67.

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SCALE 6"=1. 0 Plane up a piece of wood to $8 \times 1\frac{1}{4} \times 1\frac{1}{4}$ and cut into two-4½ and 3½ respectively. away the wood with saw and chisel, leaving Mark out the end of shorter piece as in fig. 1. Mark centre of longer piece as in fig. 2. the bridle A to fit the groove B. PLATE 68. At end of shorter gauge and cut tenon; Gauge the centre of the longer piece

True up a piece of wood to $8\frac{1}{2} \times 1\frac{1}{4} \times 1\frac{1}{4}$ and cut into two— $4\frac{1}{2}$ and 4 respectively. make two saw cuts down it and drive in small wedges, as shown in Plate 70, fig. 1.

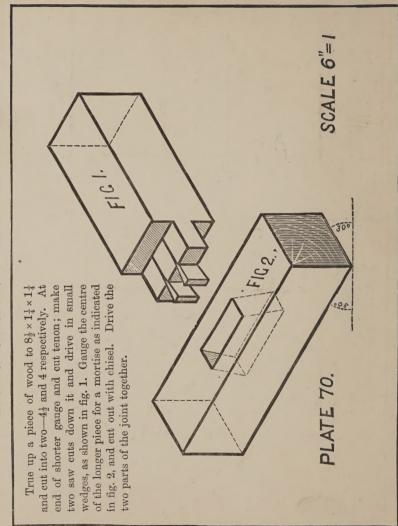
for a mortise, as indicated in Plate 70, fig. 2, and cut out with chisel.

Drive the two parts of the joint together.

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PROJECTION OF FOX-TAIL WEDGED JOINT



TUSK TENON JOINT FIG 2. FIGI. FIG 3 SCALE 6"=1. PLATE 71. key.

At the end of the longer mark out At centre of smaller piece set out the mortise Drive the two parts of the joint together and fix with the

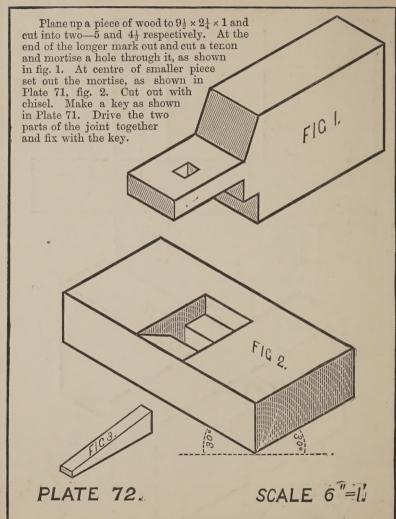
Plane up a piece of wood to $9\frac{1}{2} \times 2\frac{1}{4} \times 1$ and cut into two—5 and $4\frac{1}{2}$ respectively.

and cut a tenon, and mortise a hole through it as shown in Plate 72, fig. 1. Cut out with chisel. Make a key as shown.

as shown in fig. 2.

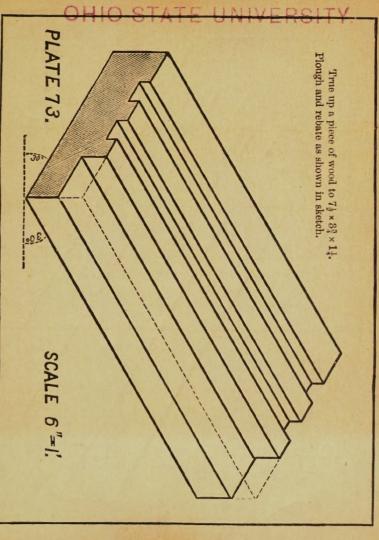
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PROJECTION OF PARTS OF TUSK TENON JOINT



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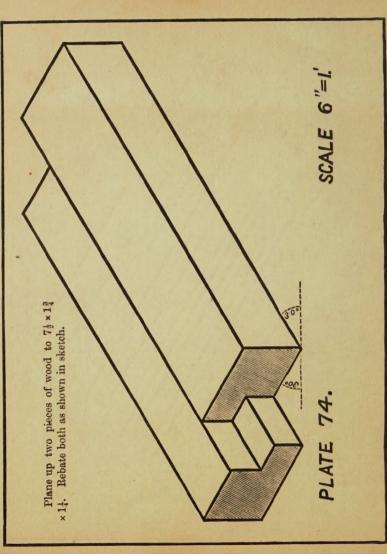
IBRARY,



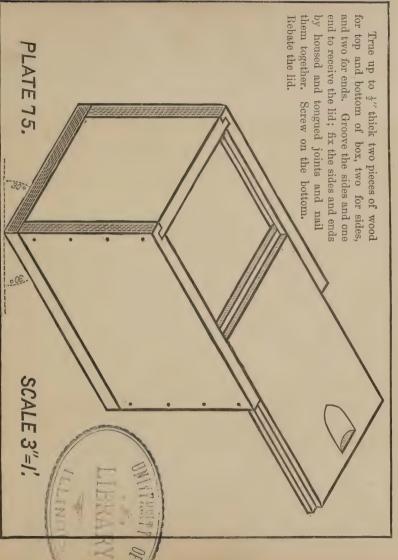
PLOUGHING AND REBATING

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PROJECTION OF BOX



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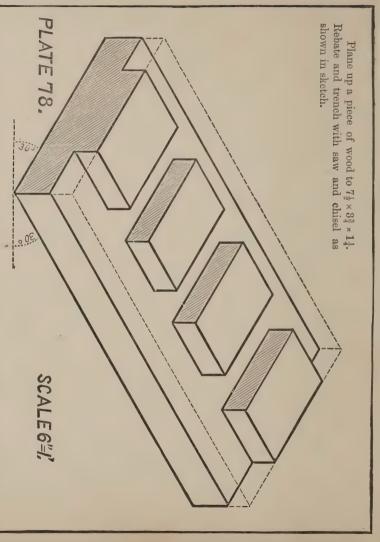


PLATE 76.

SCALE 6"L

PLATE 77.

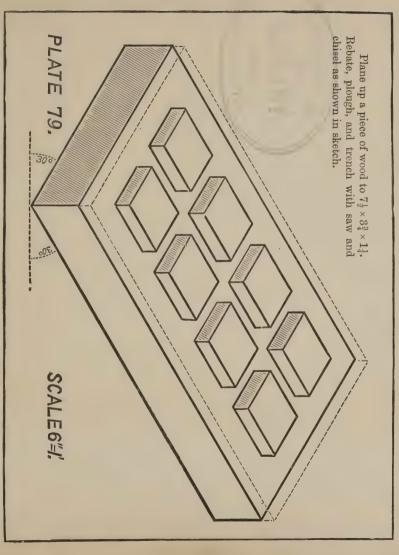
REBATING AND TRENCHING



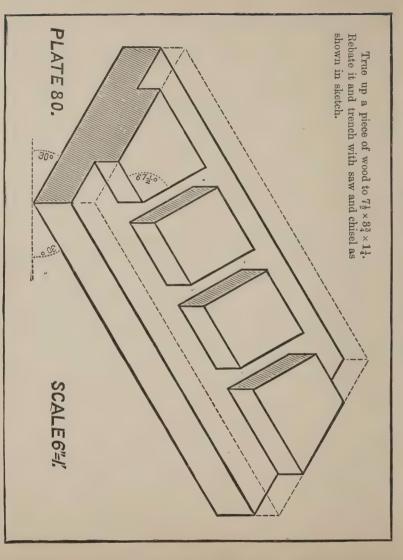
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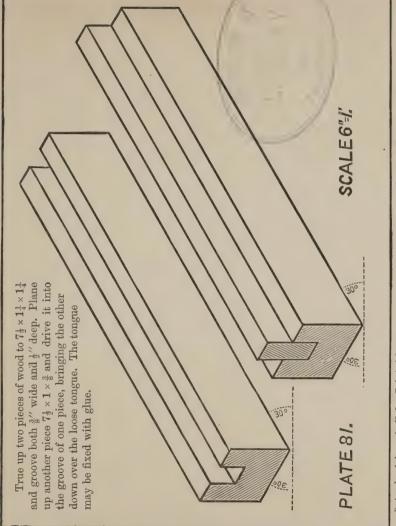
REBATING AND TRENCHING



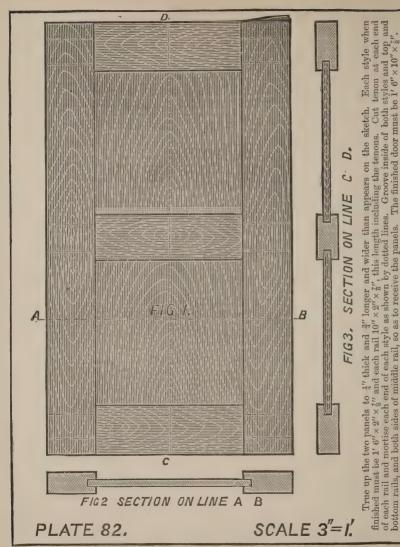
REBATING AND TRENCHING



GROOVE AND TONGUE JOINT



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under Nottingham School Board

True up two pieces of wood to $8\frac{1}{2}'' \times 6'' \times \frac{1}{2}''$ for top and bottom; two pieces to $8\frac{1}{2}'' \times 5\frac{1}{2}'' \times \frac{1}{2}''$ for front and back, and two pieces to $5'' \times 5\frac{1}{2}'' \times \frac{1}{2}''$ for the ends. Dovetail the sides and ends together and screw on the bottom. Mark positions of hinges on lid and back; let them in flush and screw in their places.

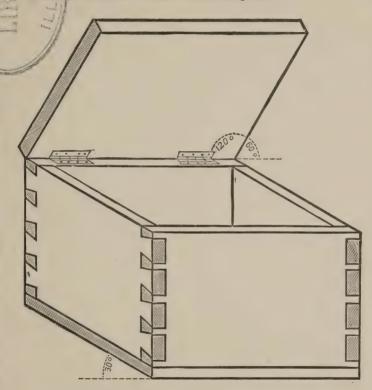
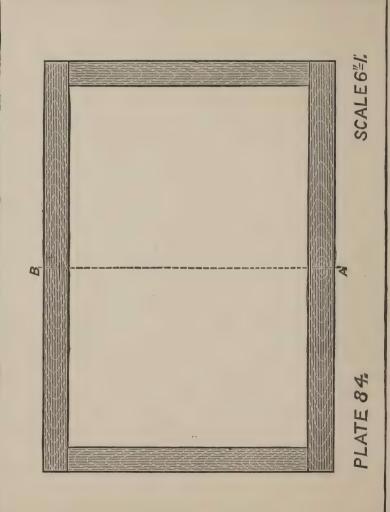


PLATE 83.

SCALE 3"=1.

Arranged by E. R. Kidson, F.G.S., Science Demonstrator under Nottingham School Board

PLAN OF DOVETAILED BOX



Designed and drawn by H. Jay, Technical Instructor under Nottingham School Board

SECTION OF DOVETAILED BOX

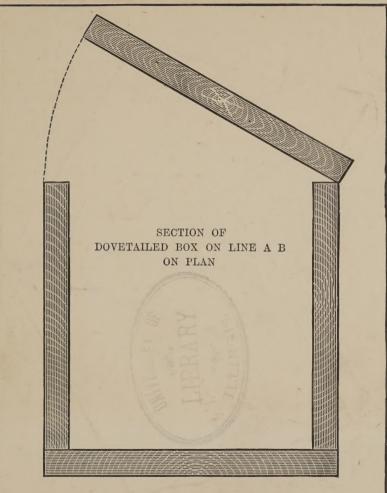


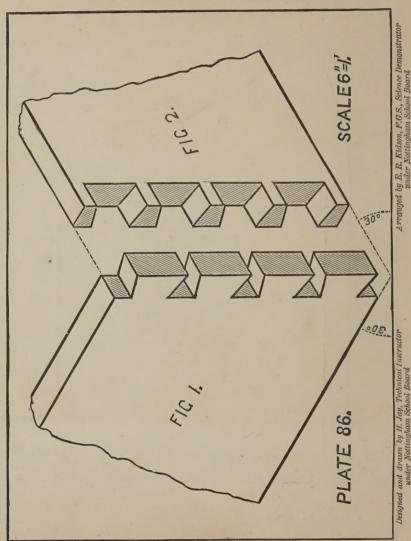
PLATE 85.

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SCALE 6"I.

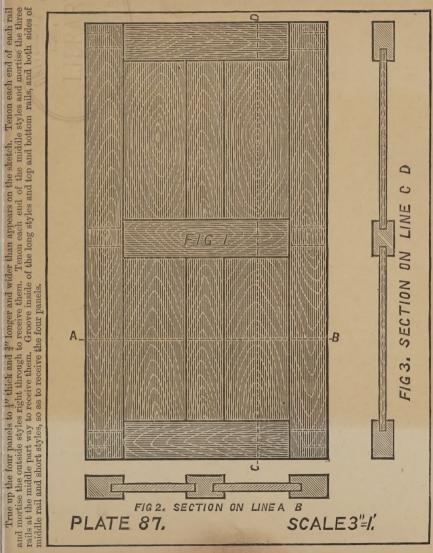
Arranged by E. R. Kidson, F. G.S., Science Demonstrator under Nottingham School Board

PROJECTION OF CORNER OF DOVETAILED BOX



Designed and drawn by H. Jay, Technical Instructor under Nottingham School Board

FOUR-PANELLED DOOR



Arranged by E. R. Kidson, F.G.S., Science Demonstrator under Nottingham School Board

